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PATENT
P56604

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

JU-IL LEE

Serial No.: 10/073,898

Examiner: *to be assigned*

Filed: 14 February 2002

Art Unit: 2652

For: APPARATUS AND METHOD FOR PERFORMING SEEK-SERVO ROUTINE OF HARD DISK DRIVE

INFORMATION DISCLOSURE STATEMENT

RECEIVED

Assistant Commissioner
for Patents
Washington, D.C. 20231

MAY 06 2003

Technology Center 2000

Sir:

Pursuant to 37 C.F.R. §§ 1.56, and 1.97 and 1.98 applicant cites, lists, and discusses and encloses copies of the following art references cited in a *Notice to Submit Response* from the Korean Industrial Property Office issued on the 28th of March 2003 in corresponding Korean priority application No. 10-2001-0008999. ::

FOREIGN PATENT REFERENCE:

<u>Publication No.</u>	<u>Inventor</u>	<u>Published Date</u>
• JP 02-304777	Hibino <i>et al.</i>	18 December 1990

"Controller For Magnetic Disk Device"
and English language Abstract for Hei 02-304777.

• KR 1991-15989

Hasegawa *et al.*

30 September 1991

"Method For Controlling The Determination Of Converter's Location"

and English language Abstract for KR 1991-15989.

OTHER DOCUMENTS:

- *Notice to Submit Response* issued by the Korean Industrial Property Office on the 28th of March 2003 in Applicant's corresponding Korean priority application No. 10-2001-0008999 filed on the 22nd of February 2001, titled Apparatus and method for performing seek-servo routine of hard disk drive, and English language translation of the *Notice to Submit Response*.

DISCUSSION

In the *Notice To Submit Response* issued by the Korean Intellectual Property office on the 28th of March 2003, the Korean Examiner asserted that "Japanese Patent Publication No. hei 02-304777 (published 18 December 1990) discloses "a method for controlling a magnetic disk apparatus so as to locate a magnetic head apparatus at a target track", and Korean Patent Laid-open Publication No. 1991-15989 (published 30 September 1991) discloses "a method for controlling the determination of a converter's location by calculating a target position, target velocity, and the target acceleration every sampling period using a multinomial expression and placing a target object at a predetermined location based upon the target position, the target velocity, and the target acceleration."

As explained in the Korean Patent Abstract of Korean laid-open patent publication No. 1991-

15989, the "target position, a target velocity, and a target acceleration are expressed by a time-consuming multinominal expression based upon acceleration and deceleration patterns capable of minimizing the square of a differentiated value of acceleration of the target object."

Hibino JP 2304777 describes a "value calculation circuit 16 [that] forecasts the position of the next sample time by using the position of the present sample time, namely, a track number, velocity and acceleration and prepares a decided value and the forecasted value and decided value of the position are stored in a forecasted value and decided value storing circuit 17 after one time."

The citation of forgoing references is not tended to constitute representation to the Examiner that a search of the prior art has been made by the Applicant. Accordingly, the U.S. Examiner is requested to make a thorough and wide-ranging search of the prior art during the examination.

Pursuant to 37 C.F.R. § 1.97 (c)(1), each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filling of this Information Disclosure Statement.

No fee is incurred by filing this Information Disclosure Statement.

Respectfully submitted,



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